

19990309.qrp v01_n390.qrl.990309

Date: Tue, 9 Mar 1999 19:03:11 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1390

QRP-L Digest 1390

Topics covered in this issue include:

- 1) [35094] Re: Right-hand vs. Left Hand Toroids
by "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
- 2) [35095] Re: Date needed on a key.
by "James O'Keefe" <jimcwxr@svpal.org>
- 3) [35096] Re: Something's missing...
by "John Moriarity" <k6qq@hdo.net>
- 4) [35097] 2m all mode & Ten Tec Mode B satellite stn 4 sale
by "Jim Hale" <kj5tf@madisoncounty.net>
- 5) [35098] Re: NC-20 VFO problem
by "Craig B. Johnson" <johns516@maroon.tc.umn.edu>
- 6) [35099] K2 and TFR paddle pix
by Bob Edwards <w4ed@flash.net>
- 7) [35100] Thanks Much for all your Help
by Bradford D Bilbrey <bigdawg74@juno.com>
- 8) [35101] RG-6 vs. RG-58
by KC7MES@aol.com
- 9) [35102] Deaf NC20
by Michael C Boatright <ko4wx@mindspring.com>
- 10) [35103] Re: DX is!T30R (was on 28.466 earlier)
by MKBalvanz@aol.com
- 11) [35104] Re: RG-6 vs. RG-58
by "John J. McDonough" <jjmcd@tm.net>
- 12) [35105] Re: NC-20 VFO problem
by Jeff Logullo <jeff.logullo@Central.Sun.COM>
- 13) [35106] RE: CQ DX/QRP....de Jack, WA7LNW
by Joe Gervais <vole@primenet.com>
- 14) [35107] Flux Removal
by Jeff Johns <jeffj@scott.net>
- 15) [35108] Re: Flux Removal
by Roger Hightower <n7kt@earthlink.net>
- 16) [35109] NJ QRP Invades Norcal (sort of)
by Joe Everhart <n2cx@voicenet.com>
- 17) [35110] Re: Flux Removal
by Jeff Johns <jeffj@scott.net>
- 18) [35111] N7JI in Terre Haute, IN!
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 19) [35112] Re: NJ QRP Invades Norcal (sort of)

- by Jeff Johns <jeffj@scott.net>
- 20) [35113] SST in use
by "Bill Todd" <bill@willapabay.org>
- 21) [35114] Calling all clubs and vendors
by "John Burnley" <burnley-ia@worldnet.att.net>
- 22) [35115] [RE]ND QSL cards :-)
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 23) [35116] Value of Wilderness Sierra/KC-2?
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 24) [35117] KC-1
by Peter James <mrpj@mindspring.com>
- 25) [35118] Re: Inverted-L
by "dor" <elbc@pivot.net>
- 26) [35119] Thanks everyone!
by KC7MES@aol.com
- 27) [35120] MFJ Code Tutor sold
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 28) [35121] trying to reach Mike the fireball xmitter gent
by Scott Howell <whowell@hq.nasa.gov>
- 29) [35122] DIAGNOSIS: Re: TROUBLE!: NC-20 beeping at me!
by "Paul R. Valko" <prvalko@oakland.edu>
- 30) [35123] Need Ori's email address
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 31) [35124] QRZ Fort Meyers FL de NOUR
by Jim NOUR <n0ur@yahoo.com>
- 32) [35125] Backpack/Radio QRP DXpedition needs CW Ops
by Allan G Taylor <k7gt@arrl.net>
- 33) [35126] feedlines
by "Christopher Brewster" <brewsq@excite.com>
- 34) [35127] Got Ori's address
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 35) [35128] Re: NJ QRP Invades Norcal (sort of)
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 36) [35129] re the mlx mini 20
by "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
- 37) [35130] NC20 FET Switches: Replacement device
by Gary Hembree <gary.hembree@asu.edu>
- 38) [35131] QRP Quiz
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
- 39) [35132] NC20 Section 14, 0V = 0.3V?
by Michael C Boatright <ko4wx@mindspring.com>
- 40) [35133] 3-9 Geomagnetic Storm
by Paul Harden <pharden@aoc.nrao.edu>
- 41) [35134] Unsubscribing from List
by John F Rayfield <wb0nzm@juno.com>
- 42) [35135] Can't fool a Jersey guy...
by David Maliniak <dmaliniak@penton.com>
- 43) [35136] G-qrpL subscription

by af852@rgfn.epcc.edu (William R Colbert)
44) [35137] Re: feedlines
by Joe Gervais <vole@primenet.com>
45) [35138] HW-8; Lookin` For Some Help
by Ed Loranger <we6w@qsl.net>
46) [35139] 44 magnum and ss
by Brett Gazdzinski <Brett.Gazdzinski@mci.com>
47) [35140] Re: Invisible Antenna Try
by af852@rgfn.epcc.edu (William R Colbert)
48) [35141] rigs page?
by sergio <sruiz@bright.net>
49) [35142] SOLAR STRUCTURES CAN HELP FORECAST LARGEST SOLAR BLASTS
by Scott Howell <whowell@hq.nasa.gov>
50) [35143] RE: 44 magnum and ss
by "Andreas Junge" <andreas@atltech.com>
51) [35144] Re: 3-9 Geo Storm & SF Dip?
by "Steve/n0tu" <n0tu@webaccess.net>
52) [35145] TEN-TEC ???
by Brad Bradfield <b_bradfield@yahoo.com>
53) [35146] Re: 3-9 Geo Storm & SF Dip?
by Paul Harden <pharden@aoc.nrao.edu>
54) [35147] Re: TEN-TEC ???
by "Radman" <radman@best.com>
55) [35148] Happy is ...
by malman@world.std.com (joel malman)
56) [35149] PS-10 Power Supply - New SG-2020 Accessory.
by "Mark Lawson" <mlp@oz.net>
57) [35150] Re: Invisible Antenna Try#1
by w4bws@juno.com
58) [35151] Re: Right-hand vs. Left Hand Toroids
by w4bws@juno.com
59) [35152] Re: feedlines
by w4bws@juno.com
60) [35153] Re: Invisible Antenna Try#1
by Ed Loranger <we6w@qsl.net>
61) [35154] Re: PS-10 Power Supply - New SG-2020 Accessory.
by "Michael A. Gipe" <mgipe@reliablemeters.com>
62) [35155] Send in pics/urls of your QRP rigs!
by sda <sda@bellsouth.net>
63) [35156] New pictures on my web page!
by Fred Bennett N9TA <N9TA@worldnet.att.net>
64) [35157] Re: QRP Quiz
by Paul Harden <pharden@aoc.nrao.edu>
65) [35158] Re: PS-10 Power Supply - New SG-2020 Accessory.
by "John J. McDonough" <jjmcd@tm.net>

Date: Thu, 7 Mar 1996 20:06:28 -0500
From: "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35094] Re: Right-hand vs. Left Hand Toroids
Message-ID: <003301bb0c8b\$8061c860\$314b9ace@hhurst>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The left-handed toroids cost about 10 times as much as the right-handed toroids, which explains why you don't hear much about them. Another disadvantage of left-handed toroids is finding a lefty to wind them for you. I remember a fellow who tried to mix left- and right-handed toroids in an HF amp. Had to call the fire department after his first CQ. Just a word to the wise.

Date: Mon, 8 Mar 1999 16:59:56 -0800 (PST)
From: "James O'Keefe" <jimcwdx@svpal.org>
To: Patrick Franzis <old_radios@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35095] Re: Date needed on a key.
Message-ID: <Pine.SUN.4.10.9903081657460.11312-100000@svpal.svpal.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

According to Larry Nutting's book, the j-5 came out in 1920 and the J-5-A in 1945. It was for use in aircraft. 73, Jim WE6V FISTS 865

On Mon, 8 Mar 1999, Patrick Franzis wrote:

>
>
> Hi all,
>
> Does anyone know when the j-5 key was made? Here is the
> info from the key:
>
> SIGNAL CORPS. U.S. ARMY
> FLAME PROOF KEY J-5-A
> ORDER NO. 2670 NY 41
> MADE BY
> L.S. BRACH MFG. CO.
> NEWARK N.J.

>
> Private email is OK : old_radios@yahoo.com
>
>
> Thanks, Pat N10CJ
>
> ==
> ~ Patrick Franzis old_radios@yahoo.com
>
> -----
> DO YOU YAHOO!?
> Get your free @yahoo.com address at <http://mail.yahoo.com>
>
>

Date: Mon, 8 Mar 1999 17:29:59 -0800
From: "John Moriarity" <k6qq@hdo.net>
To: <Macstein@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [35096] Re: Something's missing...
Message-ID: <017301be69cc\$5bc785c0\$f9424cd1@k6qq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>What has happened to Nils?!?!?! I miss his posts.

>
>-MAC-
>KF4KSM
>

He may just be in hibernation until spring ;-)

John, K6QQ
Alturas, CA

Date: Mon, 8 Mar 1999 20:40:20 -0600
From: "Jim Hale" <kj5tf@madisoncounty.net>
To: "QRP-L" <QRP-L@Lehigh.EDU>

Subject: [35097] 2m all mode & Ten Tec Mode B satellite stn 4 sale
Message-ID: <002a01be69d6\$2d640500\$3659edd0@user>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have a Ten Tec Mode B satellite transverter model 2510 for sale. Its in good condx, has manual, and comes in original box. Non smoker, and its never been mobile.

Also have a Kenwood TS-700SP 2M all mode XCVR. In average condx, manual, and original box. Non smoker, and its never been mobile.

Make reasonable offer, thanks - Jim KJ5TF

Date: Mon, 8 Mar 1999 20:47:04 -0600
From: "Craig B. Johnson" <johns516@maroon.tc.umn.edu>
To: <qrp-1@lehigh.edu>
Cc: <dle@san-jose.tt.slb.com>
Subject: [35098] Re: NC-20 VFO problem
Message-ID: <000601be69d7\$a481aec0\$0101a8c0@cbj-pentium>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Danh,
Thanks for the suggestion. This may be where I may be wrong, but I don't see it this way. The picture on the top of page 8 may be unclear about the wires, but the picture in the middle of page 8 clearly shows one wire coming off the top of the torroid and one off the bottom. I think this indicates that the windings are to be continuous in one direction. The "tap" would come off the top or bottom, depending on where you put it.

Someone care to help us out?
73,
- Craig, AA0ZZ

Danh wrote:
>Hi Craig,
>

>Have you checked to see the phasing between the tap and the primary
 >coils of L1 are correct? From the picture on page 8 of the manual, all 3
 >terminals are ended up on the same side of the core.
 >
 >I learned this a while back while building the NW80 (similar VFO winding)
 >that mixing up the phase between them can kill oscillation completely.
 >
 >
 >GL es 72 / 73 de Dan, ke6d

 Date: Mon, 08 Mar 1999 22:06:49 -0500
 From: Bob Edwards <w4ed@flash.net>
 To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
 Subject: [35099] K2 and TFR paddle pix
 Message-ID: <36E49049.3683A876@flash.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

I've added some camcorder frame grab images of my K2 and
 the TFR paddle at http://www.qsl.net/w4ed/rbe_k2.htm

Was my first attempt to grab frames using Studio 400, not as
 good as a digital camera but still useful.

(Fellow FT-K2'ers, note the diff appearance)

--

Bob	72/73	/
Z'# 114		/
http://www.qsl.net/w4ed		/ \
W4ED nr Atlanta @EM73wt		/ / E \
...."QRP", more from less....		/_ / _ _ _ _ _ \
		[\ ---===== -/

~~~~~

-----  
 Date: Mon, 8 Mar 1999 20:03:50 -0700  
 From: Bradford D Bilbrey <bigdawg74@juno.com>  
 To: qrp-l@Lehigh.EDU  
 Subject: [35100] Thanks Much for all your Help  
 Message-ID: <19990308.200353.3582.1.bigdawg74@juno.com>

To all on the List:

I am very very grateful to all who responded with suggestions & recommendations. I still haven't made a decision. Unfortunately after reading a review of the Wilderness Sierra in QST and some e-mail recommendations, I have found myself wanting a Sierra, badly. So I will make my decision based on how much cash I can raise. Anybody need any yardwork done? HI HI.

Thanks Again all

73's

Brad KE7MU

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You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 8 Mar 1999 22:10:12 EST  
From: KC7MES@aol.com  
To: qrp-l@lehigh.edu  
Subject: [35101] RG-6 vs. RG-58  
Message-ID: <20eb31f7.36e49114@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

This may sound like a stupid question, but I'm running a 40 meter dipole with a NorCal 40a at about 20 feet, and am wondering, which is better for a run of 30 feet, the current RG-58 or replacing it with RG-6? I realize the SWR will be increased, but will the reduction in loss make up for it? Right now the SWR is about 1.2:1 for the novice portion of 40. Thanks a lot,

72/73,  
Rob, KC7MES

-----  
Date: Mon, 08 Mar 1999 22:14:22 -0500  
From: Michael C Boatright <ko4wx@mindspring.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Cc: DYARNES@aol.com  
Subject: [35102] Deaf NC20



Message-ID: <36E4920E.7FB2E484@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Dave,

I had the EXACT problem this morning. I found 2 problems (1) I had installed D4 backwards (this kept any signal from getting in to the product detector) and (2) I had installed L2 where L5 belonged and had not installed L2.

I found #1 by visual examination, which you have already done (it was a stupid mistake, too, considering I did the same thing with D3!). I found the L2 problem by:

1. Checking the voltages in the trouble shooting section applicable to the receiver RF section.
2. Found that all the voltages on the NE602/NE612 were correct except for pin 2 (for some reason pin 1 had 1.4V but pin 2 did not). When I touched pin 1/2 with the VOM I faintly heard CW.
3. The CW was considerably stronger (but still faint) when I touched pin 2 with a test lead connected to the antenna.
4. Knowing that the product detector was working told me a lot! So using the test lead I worked my way backwards through the schematic, until I found, voila! L2 was missing. Quick unsolder job on the mess I made with L2 in L5's place, pop the 2 inductors in and then it tuned up just exactly like the directions say.

BTW, thanks to all for the entertaining responses to my ponderings regarding toroid windings. It was tongue in cheek, but Glen Leinweber pointed out that it can matter in certain types of transformers and multifilar windings--especially necessary to make sure you get the phasings correct.

Just the musings of a guy too sick to go to work today, but not too sick to work on his NC20!

...and on the 8th day, God invented Solder Wick!

72 de Mike, K04WX

--

Mike Boatright, K04WX

Amateur Radio Emergency Service,  
District Emergency Coordinator to Georgia Emergency Management Agency

-----  
Date: Mon, 8 Mar 1999 22:14:22 EST  
From: MKBalvanz@aol.com  
To: qrp-1@lehigh.edu  
Subject: [35103] Re: DX is!T30R (was on 28.466 earlier)  
Message-ID: <9878533f.36e4920e@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

Been running around the Ten meter phone band this weekend. Heard T3 R working the DX contest late afternoon. No luck working him though.

72

Matthew KC AYG

-----  
Date: Mon, 8 Mar 1999 22:29:06 -0500  
From: "John J. McDonough" <jjmcd@tm.net>  
To: <KC7MES@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [35104] Re: RG-6 vs. RG-58  
Message-ID: <012801be69dd\$017fe380\$010044c0@mdp23b>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: KC7MES@aol.com <KC7MES@aol.com>

>30 feet, the current RG-58 or replacing it with RG-6? I realize the SWR will

>be increased, but will the reduction in loss make up for it? Right now

no - at a 1.2 SWR you'd be hard pressed to measure the loss at 40 meters, let alone notice it.

72/73 de WB8RCR <http://users.tm.net/jjmcd/>  
didileydadidah QRP-L #1446 Code Warriors #35

-----  
Date: Mon, 08 Mar 1999 22:26:41 -0600  
From: Jeff Logullo <jeff.logullo@Central.Sun.COM>  
To: qrp-l@lehigh.edu  
Cc: johns516@maroon.tc.umn.edu  
Subject: [35105] Re: NC-20 VFO problem  
Message-ID: <36E4A2F6.C0343C92@central.sun.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Craig,

I agree with you. Think of it this way: during winding, you'll get to the point where you want a tap. Rather than (again) pulling the wire tight around the core, instead leave a big, loose loop. Twist the loop until it's snug against the toriod. Continue winding the wire around the toroid, in the same manner as you were doing.

When finished, when the toroid is flat to the PC board, one end will exit the top of the toriod, the other will exit the bottom. The tap (on my coil anyway) is centered on the body of the toroid.

The picture at the top of page 8 is a little unclear; I interpreted it this way. (Imagine a real, wound toriod sitting on top of the picture...) The wire at the bottom-right starts out above the toroid ("above the paper"), and passes down thru the hole. If you follow what I said above, you'll realize that the bottom-left wire must be exiting from the back of the toriod and would be "flat on the paper".

That's how I did it and mine worked :-)

72,  
Jeff

"Craig B. Johnson" wrote:

> Thanks for the suggestion. This may be where I may be wrong, but I  
> don't see it this way. The picture on the top of page 8 may be unclear  
> about the wires, but the picture in the middle of page 8 clearly shows  
> one wire coming off the top of the torroid and one off the bottom.  
> I think this indicates that the windings are to be continuous

> in one direction. The "tap" would come off the top or bottom,  
> depending on where you put it.  
>  
> Someone care to help us out?  
> 73,  
> - Craig, AA0ZZ  
>  
> Danh wrote:  
> >Have you checked to see the phasing between the tap and the primary  
> >coils of L1 are correct? From the picture on page 8 of the manual, all 3  
> >terminals are ended up on the same side of the core.

-----  
Date: Mon, 8 Mar 1999 21:57:26 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: wa7lnw@infowest.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [35106] RE: CQ DX/QRP....de Jack, WA7LNW  
Message-ID: <199903090457.VAA18736@usr07.primenet.com>

Howdy Jack (and Folks),

Jack (WA7LNW) wrote:

>  
> Thanks for sending me the results of the "1998 QRP to the Field"  
> event. Received printed results in last Friday's mail.

Apologies for the interminable delay. This year I'll  
send out printed results the same time as I post the  
results to QRP-L (two weeks after the deadline for  
logs).

> Got me all excited... I am already trying to figure out how to  
> better my score in an even more exotic multi-stateline location.  
> However, pretty hard to compete with Four Corners gang.

Heck, find a border location with good terrain, put  
up a good antler or two and don't stop sending "CQ  
QRPTTF" from the moment it starts 'til the moment it  
ends. Top 5 guaranteed. ;-)

Hopefully the sunspots will be hoppin' April 24th and  
15/10M will be wide open. Good chance for the East  
Coast crew to work 2xQRP AK, HI and maybe even Japan.

> I completed my NorCal 20 kit this afternoon. Just now going to

> tune 20 for some DX. I have used your technique of /QRP when  
> chasing DX....and it works very well.

Great! Hope you get to QRP DXCC faster than I do. :-)

> Where you using your Sierra or the NC-20 tonight in your 20 meter  
> scavenger hunt for DX?

My trusty ol' Sierra. Great little rig! Alas, the only  
NC-20 I have belongs to the FYBO Prize List (courtesy of  
Doug and NorCal). In a mere week, I won't even have the  
box to look at anymore. \*sniff\* :)

Good hunting to ya!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Nirvana is coming! The Mystic Portal awaits!"  
- The Three-Eyed Alien, Toy Story

-----  
Date: Mon, 8 Mar 1999 23:04:24 -0600  
From: Jeff Johns <jeffj@scott.net>  
To: qrp-l@Lehigh.EDU  
Subject: [35107] Flux Removal  
Message-ID: <199903090504.XAA22914x@scott.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit

I hate to bring up a subject which brought about a heated debated here a few weeks ago but I need to ask a question about flux removal.

When I built my SW40+ a few weeks ago I considered all that I had read from the list about flux removal and decided not to fool with it. The particular solder I used did not leave much residue but provided enough flux to make soldering everything quite painless and enjoyable.

Tonight, after meticulously using the tip of an X-Acto knife to perfectly space the windings on the toroid on my Rainbow tuner kit, (maybe I'm anal retentive about that, but it looks so much better when all windings have the same spacing) I looked at the underside of the board and in particular the flux residue. Since I'm kind of in a holding pattern on the Rainbow until I get my enclosure kit (check went out in the mail this afternoon) I decided

that to balance out things by removing the flux from this kit since I didn't do it on the SW40+ kit. I recalled from the SW40+ manual, that I could use Q-Tips and acetone (fingernail polish remover), so I snuck into the bedroom and stole my XYL's bottle of fingernail polish remover and went about it. What I have ended up with is a yucky looking smeared mess of flux :(

My question is, should I leave well enough alone or should I keep fooling with it until I get it all off? Will the flux that I managed to smear around affect the circuit in an electrical fashion?

If nothing else, I think I did manage to destroy a few brain cells from the smelling of fingernail polish remover <grin>.

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----*
|jeffj@scott.net  w4jef@amsat.org |      Reserve Patrol Captain      |
|  Satellite: Mir R0MIR-1, AO-27  | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet|      QTH Birmingham, AL USA    |
*-----*
```

-----

Date: Mon, 08 Mar 1999 22:28:25 +0000  
From: Roger Hightower <n7kt@earthlink.net>  
To: jeffj@scott.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [35108] Re: Flux Removal  
Message-ID: <36E44F09.AF2485A4@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Some fingernail polish removers contain an oil as well as acetone, which might contribute to the mess you're seeing.

Hit the hardware store for a small can of straight acetone. It's cheap, has a decent shelf life, and should do a better job.

--

72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ

-----

Date: Tue, 9 Mar 1999 00:41:47 -0500  
From: Joe Everhart <n2cx@voicenet.com>  
To: qrp-l@Lehigh.EDU

Subject: [35109] NJ QRP Invades Norcal (sort of)  
Message-ID: <199903090541.AAA33838@nss4.cc.Lehigh.EDU>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,

I wrote this up last night and sent it to the NJQRP list, intending to cc the qrp-l. However in my excitement, I mistyped. Anyway, here 'tis!

NJ QRP Invades Norcal (sort of)

Every once in a while we east coasters have to check out what that NORCAL gang is up to. The best way to do so is to drop in unannounced! Of course we *\*do\** have a spy in their midst in the person on James, KA5DVS, but a personal visit from the old country helps to keep them on their toes too.

I was fortunate enough to be able to schedule a business trip around the time of the March NORCAL meeting so I reluctantly (yeah, sure!) traded a NORCAL meeting for the previously scheduled NEQRP inspection tour.

To begin the day, a trip to the Livermore swapfest was in order. This flea market was several notches above the usual small club events back east. Lots of ham gear in addition to all of the usual old computer goodies and junk from the basement. Want a Mac "Classic" for \$50.00? They got 'em there. How about PCMCIA Ethernet and 33.6 modem cards for \$10 each? The buy of the day was a bag of about 100 4.03 MHz ceramic resonators for \$2.50. Great in place fo the clock crystal for PICs.

The most fun at the swapmeet was when I ran into James. I spotted him looking over some bargains and walked up to greet him with a "Hi James." He turned with that deer-in-the-headlights look and stammered "Joe, what, errr, what are *\*you\** doing here? Weren't you just at the NJQRP meeting?" Surprisingly, not one soul noticed the Zombie badge I wore, or maybe they are so used to them that it evokes no comment these days.

After loading up on more stuff to carry home in the suitcase it was time to head for the California Burger.

Now only one of the gang, Mike - K1MG, was taken into confidence so that yours truly could get good directions. His was superb except for that *\*last\** turn. California Burger was on the left, not the right. Gotta keep you eyes on these guys! But, being from Jersey, I'm used to having to work with inaccurate directions - you know the kind that end with "you can't miss it!"

It was obvious that this was the place - several cars parked right in front had ham tags and prominent HF antennas!

Ah, QRP Nirvana! The gang was starting to arrive at 10 o'clock and the father of the NC-20 Dave Fifield was holding court, showing off his personal NC-20 in the Doug Hauff anodized (red!) case and his newly created NC-40. He says the NC-40 receiver is too good! It is so sensitive and crunchproof that it hears stations that a QRP transmitter can never hope to work!

Folks brought lots of stuff for show and tell, from a bunch of homebrew rigs to Bob (ole Kenwood) N6WG's Fox-chaser drinking glass resonant speaker to, of course, a new K2 that its owner just \*had\* to show off!

The surprise appearance was repeated when Doug Hendricks showed up and James dragged me over to him saying "Look who showed up, Doug." Non-plussed as ever, Doug merely replied "Well, you finally made it to our meeting!"

NJQRP had a minor show and tell offering in the form of a prototype FB40A and a proto FB40B. The "A" is the one with the decapitated oscillator pulled down 500 Hz from nominal. Lots of folks pawed the rigs and all wanted to know when the companion receiver (groan) would be available.

The biggest hit of the NJQRP stuff was a clever end-fed wire antenna that Tony, W2GUM had devised and given me. It consists of a homemade reel complete with hand-crank and a "heaving line" spool that both fit in an Altoids tin. It was extensively photographed by Jerry Parker, WA6OWP (?) and the photos definitely will show up on the NORCAL web page. I was coerced into promising to write up the details to share with the QRP community.

There were too many other folks there to mention, so I won't 'cause I'd forget to mention someone's name.

One parting shot... I knew I was in California when I looked at the menu board. In addition to the usual burgers, cheeseburger and bacon cheeseburger they also feature not only buffalo burgers, but ostrich burgers as well!

I gotta get back to Jersey to recover from all this...

72/73,

Joe E., N2CX

from South Jersey y'all!

-----  
Date: Mon, 8 Mar 1999 23:48:09 -0600  
From: Jeff Johns <jeffj@scott.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>



Subject: [35110] Re: Flux Removal  
Message-ID: <199903090548.XAA07001x@scott.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit

On Mon, 08 Mar 1999 22:28:25 +0000, Roger Hightower <n7kt@earthlink.net> wrote:

> Some fingernail polish removers contain an oil as well as acetone, which  
> might contribute to the mess you're seeing.

I just checked the bottle and wish I had looked at the ingredients before I started. The particular brand of fingernail polish remover that my XYL uses and I used on the Rainbow has lanolin and gelatin listed in the ingredients. Now I understand why I have a mess! Another list member has suggested that I try some MEK to clean up the mess, but since it's almost 12:00AM I don't have access to that right now, but I did find some rubbing alcohol in my closet and it seems to be cleaning the lanolin off the board. I guess, if nothing else, my Rainbow board will be soft, smooth and wrinkle free thanks to the generous application of lanolin <grin>.

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

-----  
Date: Tue, 9 Mar 1999 01:07:19 -0500 (EST)  
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [35111] N7JI in Terre Haute, IN!  
Message-ID: <Pine.LNX.3.95.990309010501.20348C-1000000@w3eax.umd.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Going on a business trip March 15-16 to Terre Haute, the high land.

Any QRPers from west central Indiana?

Scott Rosenfeld ARS N7JI  
541-346-7401 Eugene, OR Land o' much rain  
If you find me on the air, I'm probably in my car

ham@w3eax.umd.edu http://w3eax.umd.edu/~ham

-----  
Date: Tue, 9 Mar 1999 00:05:06 -0600  
From: Jeff Johns <jeffj@scott.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [35112] Re: NJ QRP Invades Norcal (sort of)  
Message-ID: <199903090605.AAA13975x@scott.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit

On Tue, 9 Mar 1999 00:41:47 -0500, Joe Everhart <n2cx@voicenet.com> wrote:

> 33.6 modem cards for \$10 each?

If anybody picked up one or two extra modem cards such as these and wants to get rid of one or two, I would be happy to take one off your hands!

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

-----  
Date: Mon, 8 Mar 1999 23:25:08 -0800  
From: "Bill Todd" <bill@willapabay.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [35113] SST in use  
Message-ID: <008c01be69fd\$f6c68400\$82added1@bill>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi gang -

Roger, K7RXV (Roger) from Kent, WA loaned me his (nicely constructed) SST transceiver for 30 meters after our NW QRP/BC QRP Club meeting this past

Saturday. He does good work folks!

I finally put the little rig on the air late this evening, and made a QSO with VE5SWL in SASK.. Canada. He gave me a 559 and after I tuned my antenna just a bit better, gave me a 579.

Not bad for about 1 1/2 watt into a 80 meter dipole via a tuner!

CUL, Bill-N7MFB

PS This SST doesn't have a dial, but I "found" 10.113, so I stick around on that freq.

CUL, Bill-N7MFB

<http://www.willapabay.org/~bill>

ICQ @ 8926298

-----  
Date: Tue, 9 Mar 1999 03:00:00 -0600  
From: "John Burnley" <burnley-ia@worldnet.att.net>  
To: <qrp-1@lehigh.edu>  
Subject: [35114] Calling all clubs and vendors  
Message-ID: <19990309090136.CPWR19837@burnley-ppp>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

It time to start planning for this years hamfest schedule and the Iowa QRP club would like to promote you (clubs and vendors). We will have QRP tables and presentations at several hamfests across the state of Iowa this year and we would love to include your information. Our tables last year were a success and our thanks to all who contributed information, flyers, newsletters, and of course door prizes.

All you need to do is send us two sample newsletters (club) along with membership requirements (if any). I have information already for NorCal, ARCI, G-QRP, NWQRP, and Iowa QRP (of course!).

Vendors may send us their product information. Last year we distributed info for Embedded Research, Ten-Tec, MFJ, MFJ 90's newsletter, Emtech, Kanga US, Wilderness Radio,

and Small Wonder Labs. And I'm out of everything! So send us your info and we will be happy to display and distribute them.

Our thanks to all of you who helped us last year spread the good word (QRP!). Our first year was a blast and we could not have done it without you!

72/73 John NU0V  
Urbandale, IA            IAQRP #1

-----  
Date: Tue, 9 Mar 1999 08:06:34 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Cc: "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [35115] [RE]ND QSL cards :-)  
Message-ID: <199903090809\_MC2-6D34-57B0@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline  
Content-Transfer-Encoding: 7bit

Gang:

Believe I am finally current in QSLing. But someone noted that I accidentally sent him an old (= outdated) card from my MN days. Nuts. Will correct that mistake.

Did this happen in other instances? If so, please let me know and I will correct it.

BTW, I began operating here in ND in Nov 98, and have good logs.

72,  
--Doc Lindsey/K0EVZ  
DSBF  
PO BOX 7187  
Bismarck, ND 58507  
70511.3041@compuserve.com

-----  
Date: Tue, 9 Mar 1999 08:06:33 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Cc: "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [35116] Value of Wilderness Sierra/KC-2?

Message-ID: <199903090809\_MC2-6D34-57AF@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline  
Content-Transfer-Encoding: 7bit

Gang:

What is the current value of an assembled Wilderness Sierra with the KC-2 keyer and all band modules (don't need one for 160, though)?

Also, does anyone have a spare assembled 20-Metre band module you would like to part with?

Thanks in advance for your input :-).

72,  
--Doc Lindsey/K0EVZ  
DSBF  
PO BOX 7187  
Bismarck, ND 58507  
70511.3041@compuserve.com

-----  
Date: Tue, 09 Mar 1999 08:22:07 -0600  
From: Peter James <mrpj@mindspring.com>  
To: qrp-l@Lehigh.EDU  
Subject: [35117] KC-1  
Message-ID: <3.0.5.32.19990309082207.007cf350@pop.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Thanks to all who responded to my query about the Kansas City Keyer. Have manuals etc on the way and faxes in hand so I can get the keyer on the air.

Also found out I got the steal of the century when I bought it!!

Thanks again everyone and see you on the bands---also picked up a TS-570D at the same hamfest and now have a rig I can turn down to 5 watts without some rewiring etc.

73, 72, Pete, WM4U

-----  
Date: Tue, 9 Mar 1999 08:17:57 -0500  
From: "dor" <elbc@pivot.net>  
To: <dave.g0dja@psilink.co.uk>, "Low Power Amateur Radio Discussion" <qrp-

l@Lehigh.EDU>  
Subject: [35118] Re: Inverted-L  
Message-ID: <003a01be6a2f\$40cf7ee0\$6b3d62ce@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Dave Ackrill <dave.g0dja@psilink.co.uk>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Monday, March 08, 1999 5:16 PM  
Subject: Re: Inverted-L

>>As you well know, this is nothing more than the old multiband center fed  
>>double as an inverted vee and rotated 45 degrees. I use 65 foot vertical  
and  
>>65 foot horizontal sections and hang it at 85 feet--feed it with 450 ohm  
>>ladder line and it is an excellent (general purpose) HF antenna.  
>>God, I still don't believe how angry some people were. Again thanks, you  
>>saved me from a modern day Ham inquisition.  
>  
>I'm still confused here.  
>  
>Do you mean the Doublet antenna, with the feeder 'strapped', or shorted  
out,  
>at the bottom. Which operates as a top loaded antenna, or 'T'?  
>  
>Looking at the 'rotated 45 degrees' bit, do you mean the top is rotated in  
>the horizontal? Or what?  
>  
>I still can't quite picture how a Doublet can be described as an  
Inverted-L.  
>  
>Not trying to be negative, or 'flame', but I am confused by the terminology  
>being used.  
>  
>Regards - de Dave (G0DJA)  
Hi Dave

I'm with you wish we would sort of standardize the terminology. and inverted  
L has always ment a single endfed wire , marconi style fed against ground..  
this new version is not a true inverted L , but a doublet, or center fed if  
you perfer with one leg vertical ,  
any way , not flaming just a comment..

if it works use it  
73 &72 dave

-----  
Date: Tue, 9 Mar 1999 08:44:10 EST  
From: KC7MES@aol.com  
To: qrp-l@lehigh.edu  
Subject: [35119] Thanks everyone!  
Message-ID: <b1fad212.36e525aa@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Well, thanks everyone for all the replies. I figure this afternoon after school I'm going to climb up there and pull down the 58 for a while and put up the RG-6, just to see if it does make any difference. I shall return (sometime later today).

Rob, KC7MES

-----  
Date: Tue, 9 Mar 1999 08:58:44 -0600  
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)  
To: qrp-l@Lehigh.EDU  
Subject: [35120] MFJ Code Tutor sold  
Message-ID: <00104773.4159@ccgate.dl.nec.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Description: cc:Mail note part  
Content-Transfer-Encoding: 7bit

Gang,

Thanks for all the responses. The code tutor has found a home.

The FT-840 is still up, however.

73 de Dave, NR3E  
QRP-L #25  
nr Dallas, TX

-----  
Date: Tue, 09 Mar 1999 10:18:36 -0500  
From: Scott Howell <whowell@hq.nasa.gov>  
To: qrp-l@lehigh.edu  
Subject: [35121] trying to reach Mike the fireball xmitter gent  
Message-ID: <3.0.5.32.19990309101836.007f05e0@mail.hq.nasa.gov>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I lost Mike's E-mail address and can't remember his last name. He was the one who was offering the 28mhz xstal for the Fireball.

tnx es 72/73 de Scott/n3byy  
Fists #5030  
Laurel MD

-----  
Date: Tue, 9 Mar 1999 10:27:18 -0500 (EST)  
From: "Paul R. Valko" <prvalko@oakland.edu>  
To: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Cc: QRP List <qrp-l@lehigh.edu>  
Subject: [35122] DIAGNOSIS: Re: TROUBLE!: NC-20 beeping at me!  
Message-ID: <Pine.OSF.3.95.990309101851.12376A-1000000@saturn.acs.oakland.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 8 Mar 1999, Michael A. Gipe wrote:

> But back to business. When you finished the receive section, did you  
> align it and test it before you went back to the Tick section?

No... the receive section does not, nor has it ever worked. Even transmitting from one of my other rigs the NC-20 hears NOTHING... not a peep or trace of signal.

> Did the AFA work with the receiver built up before the Tick was  
> installed?

The AFA used to work perfectly i.e. gave the VFO frequency. Now it just beeps constantly.

> Does the problem correct itself if the Tick is removed?



No. The beeping only is stopped by removing the AFA chip.

>

> What is the frequency of the beeping sound? 600 Hz or 1.5 kHz? Is it

Tough to say, I'd guess (I'm at work) that it is lower than 1.5KHz. The beeping is NOT the dit from the Tick.

> possible that you have a solder short between the AFA and Tick such  
> that the AFA output is triggering the dit paddle input?

Possible... man I built the whole thing under a magnifying glass too, just to avoid any such problem. Because there is no photocopy of the PC traces, it is tough to really tell if there are any solder bridges between parts that actually are supposed to be connected together because they are so close.

> > What are the voltages on the AFA and Tick pins? >

I'll measure them tonight, I believe I have a problem with the mixer because the rig does not receive OR transmit. The AFA problem is probably due to a blown AFA chip. I need to get another.

73! =paul= W8KC

Collector of Ten\*Tecs and other fine plastics

<<http://www.acs.oakland.edu/~prvalko>>

-----  
Date: Tue, 9 Mar 1999 08:16:35 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-l@lehigh.edu>  
Subject: [35123] Need Ori's email address  
Message-ID: <01be6a48\$33fd9940\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Sorry for the bandwidth, but I need Ori's email address. Anyone have it?  
Thanks, Doug, KI6DS

-----  
Date: Tue, 9 Mar 1999 08:29:56 -0800 (PST)

From: Jim NOUR <n0ur@yahoo.com>  
To: QRP-L QRP-L <qrp-l@Lehigh.EDU>  
Subject: [35124] QRZ Fort Meyers FL de NOUR  
Message-ID: <19990309162956.9622.rocketmail@send204.yahoomail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I am spending a week down in Ft Meyers Beach, and if anyone on the "list" would like to try and get together for a "eyeball" maybe we could work it out.

I am staying at the "Outriggers". Reply via email or give me a buzz.

Did I hear they got a foot of snow back home in Mpls MN?

72's Jim

---

DO YOU YAHOO!?  
Get your free @yahoo.com address at <http://mail.yahoo.com>

---

Date: Tue, 09 Mar 1999 08:45:14 -0800  
From: Allan G Taylor <k7gt@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [35125] Backpack/Radio QRP DXpedition needs CW Ops  
Message-ID: <36E5501A.2CCD@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The wilderness permit 'lottery' has given me permits for 3 into the Yosemite backcountry for the long week of July 24 through August 1,1999. This '5th choice' trip goes through some spectacular scenery in the southern portion of Yosemite. (See these pix for some ideas of the area: [http://www.qsl.net/k7gt/red\\_peak\\_pass\\_ca.jpg](http://www.qsl.net/k7gt/red_peak_pass_ca.jpg) and [http://www.qsl.net/k7gt/triple\\_peak\\_fork\\_ca.jpg](http://www.qsl.net/k7gt/triple_peak_fork_ca.jpg) .

Coincidentally (it wasn't planned that way--Joe AB7TT pointed it out to me...!) the 2nd day is the day of the ARS Flight of the BumbleBees.

We could, by some humping, get to a nice radio QTH for the 4 hours of the BB event. Buena Vista Crest, elev ~9500'. It would not be perfect to the east (not real bad, just need to get over the Clark Range with elevations to 11800') but would be great up and down the Pacific coast. The rest of the itinerary goes over Red Peak Pass (main pass over the Clark Range), along the high trail overlooking the upper Merced River canyon, down and then up to Half Dome ridge, and then out to spectacular Glacier Point overlooking Yosemite valley. Kinda sounds like a dream backpack trip (I try).

OK, here's the bit. Age is no object, but backpacking experience is essential (no whining...). Gender must be (straight) male. Functional code speed to at least 25 wpm. Someone willing to bring a low-current 20m (or higher) rig is a PLUS. Standard camp etiquette... no cussin, no smokin, no drinkin, etc. I will provide transportation from Bay area airports, if required. Split expenses but provide your own food. Fellow grampas are encouraged to apply!

Any takers out there??

--

|                               |              |                       |
|-------------------------------|--------------|-----------------------|
|                               |              |                       |
|                               | /            |                       |
|                               | /            |                       |
| Allan Taylor, PE K7GT         | /Z  \        |                       |
| k7gt@arrl.net                 | /  /599  \   | QRP-L 1016 FISTS 3222 |
| operating nr SF/Oakland CA    | /_ /____ __\ | ARS 228 10X 69929     |
| ..."QRP, QRO, or barefoot..." | [\-----/     | DXCC 8171/CW 1395/40m |

-----

Date: Tue, 09 Mar 1999 08:55:54 PST  
 From: "Christopher Brewster" <brewsq@excite.com>  
 To: qrp-l@Lehigh.EDU  
 Subject: [35126] feedlines  
 Message-ID: <920998554.10762.458@excite.com>  
 MIME-Version: 1.0  
 Content-Type: text/plain

[2nd attempt to post this. I think 1st failed.]

My SG-2020 has a coax antenna input, and my antenna (a Kurt Fritzel multiband Windom) has a balun and a coax plug at the feedpoint, so these manufacturers are clearly encouraging me to use a coax cable. But coax has pretty high loss, doesn't it? I haven't put the antenna up yet but the distance will be about 20-30 feet.

Does anyone think it's worth the trouble to adapt all this to ladder line? Since each end has a coax plug, I must either add a balun or take one away. The antenna has one that could in theory be removed, but my question is about the transceiver (this and other models).

What does a transceiver really want to "see"? Does the signal go into the coax input and then through something like a balun before it gets to the rig's insides? Or does the rig actually process an unbalanced signal? If the rig really "wants" a balanced signal, are sets ever modified to bypass the coax input and balun-type circuit?

Related question: is this antenna a good idea, or should I get a true dipole? I was thinking of a "pure" balanced system: dipole to ladder line to a (hypothetical) balanced input on the set.

Thanks...

Christopher Brewster, kc evq  
brewsq@excite.com 612/475-0477  
Plymouth, Minnesota

-----  
Get your free, private email at <http://mail.excite.com/>

-----  
Date: Tue, 9 Mar 1999 09:27:21 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-l@lehigh.edu>  
Subject: [35127] Got Ori's address  
Message-ID: <01be6a52\$172c6300\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Thanks guys, got Ori's address. Appreciate the help. 72, Doug, KI6DS

-----  
Date: Tue, 9 Mar 1999 09:44:25 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>

To: <n2cx@voicenet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [35128] Re: NJ QRP Invades Norcal (sort of)  
Message-ID: <14ae01be6a54\$7c215930\$140a0a0a@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Joe wrote:

>Now only one of the gang, Mike - K1MG, was taken into confidence so  
that yours  
>truly could get good directions. His was superb except for that  
\*last\* turn.  
>California Burger was on the left, not the right. Gotta keep you  
eyes on  
>these guys! But, being from Jersey, I'm used to having to work with  
>inaccurate directions - you know the kind that end with "you can't  
miss it!"

Dang! Those Jerseyites are just too smart. It always worked with the  
Tejans. (The last one only realized the error when he crossed the  
border into New Mexico)

Mike Gipe K1MG

-----  
Date: Tue, 9 Mar 1999 11:52:43 -0600  
From: "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>  
To: "qrp reflector" <qrp-l@Lehigh.EDU>  
Subject: [35129] re the mlx mini 20  
Message-ID: <000101be6a55\$a4ae3fc0\$34390b3f@default>

Thanks very much for the many replies I received regarding the new (to me)  
rig. The consensus is that the Dentron MLX Mini - 20 m is more collectable  
than functional. This one seems to work ok on side band but is distinctly  
"chirpy" on cw. In any event I am delighted to give it a new home. If  
anyone else out there owns one, I'd be glad to hear from you as I am trying  
to compile a list of owner/users.

Mike n wdm ... minnesota

-----  
Date: Tue, 09 Mar 1999 10:58:29 -0700 (MST)  
From: Gary Hembree <gary.hembree@asu.edu>  
To: qrp-l@lehigh.edu  
Subject: [35130] NC20 FET Switches: Replacement device  
Message-ID: <3.0.32.19990309105859.008f95d0@imap4.asu.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset="us-ascii"

If you want improved RX mute performance from your NC20, replace the two MPF102's (Q1 and Q9) with 2N5457's (\$.42 each from Circuit Specialists <http://www.cir.com>). The latter devices are actually specified for use as switches. The MPF102 Vgs cutoff specs are much too loose to allow predictable performance from randomly selected devices. The MPF102 is only specified for use as a VHF small signal amplifier in consumer applications. This modification also removed most of the small amount of chirp that my NC20 had, as has already been noted by others.  
Your mileage may vary, etc.

73  
Gary, N7IR  
qrp-l #1330  
DM43bi (aka NW Chandler, AZ USA)

-----  
Date: Tue, 09 Mar 1999 13:24:25 -0500  
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [35131] QRP Quiz  
Message-ID: <36E56759.7471@arrl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi, Fellow QRPers.

Our own Zack Lau, W1VT, has written a QRP quiz for the ARRL Web Extra on the ARRL members web page.

If you want to test your QRP knowledge a bit, check out:

<http://www.arrl.org/members-only/extra/features/1999/0301/5/>

73,

Ed Hare, W1RFI  
ARRL Lab

-----  
Date: Tue, 09 Mar 1999 13:25:59 -0500  
From: Michael C Boatright <ko4wx@mindspring.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [35132] NC20 Section 14, 0V = 0.3V?  
Message-ID: <36E567B7.926DB086@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Completed Section 14 - AGC. I measure the AGC2 voltage on test pad "S" at 0.3V instead of 0V. Is this sufficient to indicate "AGC disable during transmit" is operating properly?

TNX es 72 de Mike, K04WX

--  
Mike Boatright, K04WX  
Amateur Radio Emergency Service,  
District Emergency Coordinator to Georgia Emergency Management Agency

-----  
Date: Tue, 9 Mar 1999 11:28:23 -0700 (MST)  
From: Paul Harden <pharden@aoc.nrao.edu>  
To: qrp-l@lehigh.edu  
Cc: cqclist@mtechnologies.com  
Subject: [35133] 3-9 Geomagnetic Storm  
Message-ID: <Pine.SOL.3.91.990309105742.16850A-1000000@zia>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,  
There is a MINOR geomagnetic storm in progress today, tuesday March 9th. The K index has been 5 since this morning, and expected to continue throughout the day.

The sun itself has been very quiet lately. However, there are many sunspot areas and several coronal holes. These holes are spewing particles into space which are hitting our geomagnetic field and keeping it agitated. This

has been going on since March 2nd, and will likely continue as these coronal holes and filaments persist on the sun. Furthermore, today the magnetic field of the solar wind changed direction southward, which triggered the minor geomagnetic storming and the high K-indexes.

The solar flux is climbing back up towards maximum, going from 110 on Sunday to 127 yesterday ... so a FAST climb upwards in the solar flux is expected. So the higher bands are improving "as we speak." The last solar rotation peaked on Feb. 14th with a solar flux of \*205\*. It takes 25-27 days for a solar rotation, and hence the next propagation peak. You do the math. It should peak around 200 again in the next few days! Wet noodle time on 10M.

Summary and reminders:

The solar flux effects about 10MHz and ABOVE for good skip propagation  
A geomagnetic storm effects conditions on 10MHz and BELOW.

K-indices

K=1 Quiet  
K=2 Quiet  
K=3 Unsettled ... elevated noise levels  
K=4 Active ... elevated noise levels, some bursty crashes  
K=5 MINOR storm ... bursty noise crashes, elevated signal absorption  
K=6 MAJOR storm  
>K=7 SEVERE storm

A minor storm does NOT prevent QRP HF communications ... just makes conditions a little rough with elevated and bursty noise, and some absorption to typical signal levels. And it can be highly variable depending on the composition of the ionosphere/atmosphere above YOUR head.

72, Paul NA5N  
National Radio Astronomy Observatory

-----  
Date: Tue, 9 Mar 1999 13:00:53 CST  
From: John F Rayfield <wb0nzm@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [35134] Unsubscribing from List  
Message-ID: <19990309.130056.4598.0.WB0NZM@juno.com>

I've lost the instructions on 'unsubscribing' from this email list. I need to do so, as I've changed my call and I want to re-subscribe with my new email/call. Thanks for the help.

John Rayfield, Jr.



KROY (ex-WBONZM)

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Tue, 09 Mar 1999 14:11:26 -0400  
From: David Maliniak <dmaliniak@penton.com>  
To: qrp-l@lehigh.edu  
Subject: [35135] Can't fool a Jersey guy...  
Message-ID: <36E5644D.5EA11751@penton.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

> Dang! Those Jerseyites are just too smart. It always worked with the  
> Tejans. (The last one only realized the error when he crossed the  
> border into New Mexico)  
>  
>  
Mike:

You gotta work harder than that to fool us Jersey boys. Ever driven  
around in New Jersey? Ever try to follow those little road signs that  
allegedly point you to the Garden State Parkway or the New Jersey  
Turnpike? We deal with this sort of officially sanctioned directional  
disinformation on a daily basis. :-)

72, David N2SMH  
Glen Rock, NJ

-----  
Date: Tue, 9 Mar 1999 12:24:44 -0700 (MST)  
From: af852@rgfn.epcc.edu (William R Colbert)  
To: g4wif@btinternet.com, qrp-l@lehigh.edu  
Subject: [35136] G-qrpL subscription  
Message-ID: <199903091924.MAA21901@rgfn.epcc.edu>

Tried those listed in the message and that worked just fine. Thanks for the posting, Tony. Only took about 5 minutes or less for the confirmation to return.

73 Ray

--

Ray Colbert, W5XE  
00TC 3618, SOWP 1064M  
El Paso, Tx (FAR WEST TEXAS!)  
also: w5xe@juno.com

-----  
Date: Tue, 9 Mar 1999 12:28:19 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: brewsq@excite.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [35137] Re: feedlines  
Message-ID: <199903091928.MAA11230@usr07.primenet.com>

Christopher (KC0EVQ) wrote:

>  
> My SG-2020 has a coax antenna input, and my antenna (a Kurt Fritzel  
> multiband Windom) has a balun and a coax plug at the feedpoint, so these  
> manufacturers are clearly encouraging me to use a coax cable. But coax has  
> pretty high loss, doesn't it? I haven't put the antenna up yet but the  
> distance will be about 20-30 feet.

At HF freqs (the lower ones in particular), I doubt you'd notice the difference. At 20-30 feet, I'll bet you'd have trouble \*measuring\* the loss on most HF bands. :-) Assuming decent coax of course.

Don't sweat it, just plug it all in and radiate! Good luck and have fun!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

-----  
Date: Tue, 09 Mar 1999 19:29:42 +0000  
From: Ed Loranger <we6w@qsl.net>

To: qrp-1@lehigh.edu  
Subject: [35138] HW-8; Lookin` For Some Help .....  
Message-ID: <36E576A6.7E4A@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Friends, Andy has a need and probably doesn't know about qrp-1 or gqrp-1; maybe someone can help. I previously helped Andy with qrp-1 access information but am unsure if he joined us.

In summary, Andy is looking for a Clean HW-8 main board to resurrect a cracked main board he finds unsalvageable.

Thanks gang.  
-Ed Loranger WE6W/6 And "72"

Andy at <mailto:andy@gm0nwi.freemove.co.uk> wrote:

>  
> Hi Ed !  
>  
> Let me introduce myself, my name is Andy, I am a physically handicapped ham  
> here in Stirling, 26 miles from Edinburgh, also I am a keen Qrp man !!, as  
> with most hams I collect most things qrp, and I have just reviewed your web  
> page, FULL of links, very good indeed, it's now bookmarked.  
>  
> I looked with interest as on my home page, it said that you owned a Heathkit  
> HW8 qrp rig !!  
> Well I am very fortunate in that I am the proud owner of botha HW7 and 2  
> HW8's one in mint condition and the other in need of "TLC", I am at the  
> moment trying to "ressurrect" the bad HW8 and boy is it a job !! But worth  
> it in the end I shalll think.  
>  
> The rig on the outside is like new, with very few blemishes, but alas as is  
> the common case with things this old, the "through many hands.." words  
> spring to mind, the solder side of the HW8's board HAS been through the  
> wars, with all the previous owners doing their own "touch ups" to the rig,  
> it looks like someone has used a welding rod to do the job other than a  
> solder iron !! Also the board is badly cracked in areas, thus alas leaving  
> it renered useless. I was hoping to strip the whole radio down and re-build  
> it in the coming weeks, so I have put out a few "feelers" on the net to see  
> if anyone has a "surplus to requirements" board for the rig. I would be  
> willlling to pay for the shipment etc if one did happen to appear.  
>  
> You guys over there, although, the rigs are scares, have the advantage over  
> us here in the UK that you have great "flea-markets" thus if you come

> across 2 HW8's in one year, we can take 2 to 4 years to come across 1 HW8 !!  
>  
> So I hope you don't mind my asking if either you or someone you know has a  
> good HW8, main board, that they would be willing to part with ?? It will  
> obviously have solder marks on it, but as long as the tracks are okay and it  
> can be cleaned well !! Thats all that matters .....  
>  
> Would you be so kind as to e-mail me with anything that you might come up  
> with at the address below now or in the future.  
>  
> Thanks for at least taking the time out to read this e-mail request.  
>  
> 72 de Andy GM0NWI  
> andy@gm0nwi.freeserve.co.uk

--

-Ed AR QRP Millennium QSO's=510/2000  
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

-----  
Date: Tue, 09 Mar 1999 14:36 -0500 (EST)  
From: Brett Gazdzinski <Brett.Gazdzinski@mci.com>  
To: Qrp-L@lehigh.edu  
Subject: [35139] 44 magnum and ss  
Message-ID: <19990309193649.SLHW26495@localhost>

Hello all QRP lovers!

Anyone know what happened to a couple of really cool kits that I found  
on the web?  
The 44 magnum on the hb electronics web page looks really nice...a fantastic  
case and front panel...nice pcb layout....supposed to be under \$100.00.

The ss engineering m1.....a real nice looking setup....general coverage  
receiver, nice panel layout.

We need more nice kits around, and these looked really nice.

thanks for any info...

Brett  
N2DTS

-----

Date: Tue, 9 Mar 1999 12:30:53 -0700 (MST)  
From: af852@rgfn.epcc.edu (William R Colbert)  
To: we6w@qsl.net, qrp-1@lehigh.edu  
Subject: [35140] Re: Invisible Antenna Try  
Message-ID: <199903091930.MAA22375@rgfn.epcc.edu>

Hi Ed, I tried to post this earlier but did not see it appear, so please excuse if it duplicates - my isp sometimes routes mail into the great void! What I had used when I was out there (many years ago) was to check at the places that sold consumer tv accessories and looked for the plastic standoff insulators - they had a double sticky tape on the bottom, and the base was about 1 to 1.5 inches square and was a total of about 6 inches high. The top section had enough play so that it could move side to side and in the center was a lip where it could snap together, holding the twinlead. As I recall, there were small holes in the top of the loop where a small gauge wire could be run. Even if the holes are not where I remembered, if you can find the same type standoffs it would be a simple matter to drill small holes and then mount them along the top perimeter of the mobile home. But as I had mentioned before, I think the closeness may cause an unfavorable coupling of the energy. I don't know if they are even manufactured any longer, but perhaps that will give you an idea of what to look for. Now that you have your first attempt, more will follow until you get something that will work without coupling to the mh.

I was listening Saturday, thought I heard you, I did hear Keith, but my power line noise was especially vicious, even with the MFJ noise canceller.

73 Ray

--

Ray Colbert, W5XE  
00TC 3618, SOWP 1064M  
El Paso, Tx (FAR WEST TEXAS!)  
also: w5xe@juno.com

-----

Date: Tue, 09 Mar 1999 14:48:51 -0500  
From: sergio <sruiz@bright.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [35141] rigs page?  
Message-ID: <36E57B23.8A501CB3@bright.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

i can't remember.. for the life of me.. where i found it.. but at some point.. i found a page that had a listing of all sorts of rigs with their specs, and fair market values.. i was wondering if anyone has any idea where this might be...

thanks!

--

---

peace,  
sergio  
<http://www.bright.net/~sruiz>  
"the village buzz"

-----

Date: Tue, 09 Mar 1999 14:51:04 -0500  
From: Scott Howell <[whowell@hq.nasa.gov](mailto:whowell@hq.nasa.gov)>  
To: [qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)  
Subject: [35142] SOLAR STRUCTURES CAN HELP FORECAST LARGEST SOLAR BLASTS  
Message-ID: <3.0.5.32.19990309145104.007cfce0@mail.hq.nasa.gov>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

more intresting facts to ponder.

72/73 de Scott/n3byy  
Employee Benefits Officer NASA Hq  
Fists #5030 Qrp-1 #1689  
Laurel MD

>  
>RELEASE: 99-35  
>  
>SOLAR STRUCTURES CAN HELP FORECAST LARGEST SOLAR BLASTS  
>  
> "S" marks the spot for scientists trying to forecast solar  
>eruptions that can damage satellites, disrupt communications  
>networks and cause power outages.  
>  
> Using the Japanese Yohkoh spacecraft, NASA-sponsored  
>scientists have discovered that an S-shaped structure often

>appears on the Sun in advance of a violent eruption, called a  
>coronal mass ejection, that is as powerful as billions of nuclear  
>explosions.

>

> "Early warnings of approaching solar storms could prove  
>useful to power companies, the communications industry and  
>organizations that operate spacecraft, including NASA," said Dr.  
>George Withbroe, science director for Sun-Earth Connection  
>research at NASA Headquarters. "This is a major step forward in  
>understanding these tremendous storms."

>

> "S marks the spot," said Dr. Alphonse Sterling of  
>Computational Physics, Inc., Fairfax, VA, detailed to the  
>Institute of Space and Astronautical Science (ISAS), Japan. "We  
>have found a strong correlation between an S-shaped pattern on the  
>Sun, called a sigmoid, and the likelihood that an ejection will  
>occur from that region within days. Each sigmoid is like a loaded  
>gun that we now know has a high probability of going off."

>

> "The S-shaped regions are the dangerous ones," said Dr.  
>Richard Canfield, a research professor of physics at Montana State  
>University-Bozeman, and lead author on a paper to be published in  
>the March 15 issue of Geophysical Research Letters. "As soon as  
>we can recognize an S-shaped region, we know that it is more  
>likely to erupt. Other common structures look like a butterfly,  
>quite symmetric, and these rarely erupt."

>

> The sigmoid structures are likely the result of twisted solar  
>magnetic fields, said Dr. Sarah Gibson of the University of  
>Cambridge, UK. "The key to the coronal mass ejection is its  
>magnetic field, which can structure and propel the mass outward,"  
>said Gibson.

>

> Coronal mass ejections are violent discharges of electrically  
>charged gas from the Sun's corona, or outer atmosphere. The  
>largest explosions in the solar system, they hurl up to 10 billion  
>tons of gas into space at speeds of one to two million miles an  
>hour. The outbursts occur several times a day, but not all are  
>hurled toward Earth.

>

> Images from various spacecraft have provided often  
>spectacular images and information after a coronal mass ejection  
>had already erupted, but scientists have been trying for some time  
>to identify a precursor for these events. Sterling and Dr. Hugh  
>Hudson of the Solar Physics Research Corporation, Tucson, AZ,  
>working at ISAS, first observed a relationship between a sigmoid  
>shape before a coronal mass ejection, and an arch-shape  
>afterwards. Later, Hudson and others found the same pattern in

>several other ejections.

>

> That finding prompted Canfield, Hudson and Dr. David  
>McKenzie, a research scientist at Montana State University, to  
>look for a statistical correlation between the sigmoid shape and  
>subsequent eruptions. They viewed a total of two years of daily  
>X-ray images from the Japanese/US/UK Soft X-ray Telescope on  
>Yohkoh. The composite pictures -- 50 images each day -- were made  
>into movies for analysis.

>

> "We need to get past simple classifications such as, 'Is it  
>sigmoidal or not, is the sunspot big or small,' and get to  
>quantitative measurements that answer, 'how twisted are the  
>magnetic fields, how big is the spot'," Canfield said. "As well,  
>we want to know in which direction the ejection is going to go and  
>how many regions are likely to erupt."

>

> Ultimately, Canfield continued, the National Oceanic and  
>Atmospheric Administration (NOAA) may be able to include warnings  
>of coronal mass ejections in its space weather forecasts. NOAA is  
>building a Solar X-ray Imager similar to that on Yohkoh, scheduled  
>for launch next year, he said.

>

> - end -

>

>NOTE TO EDITORS: Images and supporting material can be found on  
>the Internet at:

>

> <http://solar.physics.montana.edu/press/>  
> <FTP://PAO.GSFC.NASA.GOV/newsmedia/CME>  
> <http://www.isas.ac.jp/info/sat/yohkoh-e.html#Tag:0>  
> <http://solar.physics.montana.edu/YPOP/>

>

>

> \* \* \*

>

>NASA press releases and other information are available automatically  
>by sending an Internet electronic mail message to [domo@hq.nasa.gov](mailto:domo@hq.nasa.gov).  
>In the body of the message (not the subject line) users should type  
>the words "subscribe press-release" (no quotes). The system will  
>reply with a confirmation via E-mail of each subscription. A second  
>automatic message will include additional information on the service.  
>NASA releases also are available via CompuServe using the command  
>GO NASA. To unsubscribe from this mailing list, address an E-mail  
>message to [domo@hq.nasa.gov](mailto:domo@hq.nasa.gov), leave the subject blank, and type only  
>"unsubscribe press-release" (no quotes) in the body of the message.

>

>



>  
>

-----  
Date: Tue, 9 Mar 1999 12:00:59 -0800  
From: "Andreas Junge" <andreas@atltech.com>  
To: qrp-1@Lehigh.EDU  
Subject: [35143] RE: 44 magnum and ss  
Message-ID: <002d01be6a67\$8ce5d1c0\$7937a6d0@andreasp.ispchannel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

And not to forget the commercial version of the NC 20 from Red Hot Radios.  
It looks like Dave, AD6A also is working on a 40M version of the rig.

<http://www.redhotradio.com/>

Andreas, N6NU

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> Brett Gazdzinski  
> Sent: Tuesday, March 09, 1999 11:36 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: 44 magnum and ss  
>  
>  
> Hello all QRP lovers!  
>  
> Anyone know what happened to a couple of really cool kits that I found  
> on the web?  
> The 44 magnum on the hb electronics web page looks really  
> nice...a fantastic  
> case and front panel...nice pcb layout....supposed to be under \$100.00.  
>  
> The ss engineering m1.....a real nice looking setup....general coverage  
> receiver, nice panel layout.  
>  
> We need more nice kits around, and these looked really nice.  
>  
> thanks for any info...  
>  
> Brett  
> N2DTS

>  
>  
>

-----  
Date: Tue, 9 Mar 1999 13:17:07 -0700  
From: "Steve/n0tu" <n0tu@webaccess.net>  
To: <pharden@aoc.nrao.edu>  
Cc: "QRP-L" <QRP-L@lehigh.edu>  
Subject: [35144] Re: 3-9 Geo Storm & SF Dip?  
Message-ID: <003f01be6a6a\$69b99440\$7ea8a3cc@S&P.www.webaccess.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit

Hi Paul,

What's was the big dip in the SF last weekend from?

I watched the index go from:  
SF=115 on 2/27- it's last low point to  
SF=145 on 3/04 last Thursday - Was this a false peak?...THEN it dropped  
to 30pts  
SF=110 on 3/07 Sunday ?

But I see it's climbing back up fast again! What caused the big dip?  
If there was one?

Geezz , ....just when I'm starting to think I'm getting a grip on this  
solar flares and CMEs business something changes. Is a "coronal hole"  
good news DX wise?

Paul ....you need to publish a new paperback -  
"ionospheric RF propagation for Dummies"

I 'd buy a half dozen copies for my self!

TU & 72/73 ...Steve/n tu-Monument,CO

-----Original Message-----

From: Paul Harden <pharden@aoc.nrao.edu>

>The solar flux is climbing back up towards maximum, going from 110 on

>sunday to 127 yesterday ... so a FAST climb upwards in the solar flux  
is  
>expected. So the higher bands are improving "as we speak." The last  
solar  
>rotation peaked on Feb. 14th with a solar flux of \*205\*. It takes  
25-27 days  
>for a solar rotation, and hence the next propagation peak. You do  
the math.  
>It should peak around 200 again in the next few days! Wet noodle  
time on  
>10M.

>72, Paul NA5N  
>National Radio Astronomy Observatory  
>

-----  
Date: Tue, 9 Mar 1999 12:26:59 -0800 (PST)  
From: Brad Bradfield <b\_bradfield@yahoo.com>  
To: qrp-l@lehigh.edu  
Subject: [35145] TEN-TEC ???  
Message-ID: <19990309202659.12426.rocketmail@send201.yahoomail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hello y'all - -

Can someone send me Ten-Tec's URL please? Can't locate it via yahoo.

72's es 73's,

Brad, W5CGH

==

|                    |       |                          |
|--------------------|-------|--------------------------|
| Brad Bradfield, PE | W5CGH | Systems Engineer         |
| (ex WB0CGH)        |       | Raytheon Systems Company |

Real men talk with their fingers!!

|            |                    |
|------------|--------------------|
| QRP-L #377 | SMIRK #4906        |
| ARS #72    | Austin QRP Club #e |

-----  
DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
  
Date: Tue, 9 Mar 1999 14:02:34 -0700 (MST)  
From: Paul Harden <pharden@aoc.nrao.edu>  
To: Steve/n0tu <n0tu@webaccess.net>  
Cc: QRP-L <QRP-L@lehigh.edu>  
Subject: [35146] Re: 3-9 Geo Storm & SF Dip?  
Message-ID: <Pine.SOL.3.91.990309132747.25329A-1000000@zia>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 9 Mar 1999, Steve/n0tu wrote:

> What's was the big dip in the SF last weekend from?  
>  
> I watched the index go from:  
> SF=115 on 2/27- it's last low point to  
> SF=145 on 3/04 last Thursday - Was this a false peak?...THEN it dropped  
> to 30pts  
> SF=110 on 3/07 Sunday ?

If you plot the solar flux, it should make a sinewave about every 25-27 days (the poles rotate faster than the equator, so it depends on what latitude the active regions the boost the solar flux are located).

This solar rotation hit peak on Feb. 14th with SF = 205  
About 14 days later it should hit minimum, or at the end of February.  
And indeed, minimum solar flux was 115 on Feb. 27, then started back up.  
But then the sun hiccupped! It peaked at SF=144 on March 4th, then started back down again, bottoming out sunday (Mar. 7th) at SF=110. It appears to be headed back up again. The question will be, will the 27 day period from Feb. 14th and 28th peak/minimum be preserved?, or will this 1 week strange peak be the beginning of the next 27 day solar rotation? I don't know, but the next week or so will tell us ... plotting out the solar flux and doing a little amateur science.

The sun has been very quiet lately, with these coronal holes, filaments and coronal streamers being the only real features ... and those effect our geomagnetic field more than they do our ionosphere. Remember, ionization is caused by the speed of light stuff, while our magnetic field is bothered by particle radiation poking along at a mere 400km/sec. or so :-)

However, these filaments and coronal holes, kinda a split on the cooler

solar surface, if deep enough, do allow x-ray radiation to escape. This is speed of light stuff, will increase the overall power output from the sun (i.e., the solar flux) and cause higher levels on ionization. This is where the peak around Mar. 4th may have come from. Likewise, when these filaments or holes close up, it shuts off the extra x-ray radiation, and the solar flux goes down. So what we may also be seeing is the normal solar rotation beginning, but several days of very low solar activity and these filaments shutting down caused a momentary drop in the solar flux.

It's all very interesting, but it is NOT an exact science yet.

> But I see it's climbing back up fast again! What caused the big dip?  
> If there was one?

Possibly the coronal filaments closing up as discussed above.

> Geezz , ....just when I'm starting to think I'm getting a grip on this  
> solar flares and CMEs business something changes. Is a "coronal hole"  
> good news DX wise?

Normally, a coronal hole does not release high energy, that is the speed of light stuff, so it doesn't effect ionization (and hence the MUF) much. But they do spew out plasma, or particles, which IF THEY HIT THE EARTH will trigger geomagnetic activity, even storm conditions. So usually a coronal hole will not effect the higher bands, but will cause geomagnetic disturbances on the lower bands.

> Paul ....you need to publish a new paperback -  
> "ionospheric RF propagation for Dummies"

Just what I need, another iron in the fire. :-) Actually, I have considered it, since much of the solar information I post is fairly recent theories, and not available in print anywhere, and even kinda scarce in the scientific literature. I have discussed writting a small handbook sort of thing with our solar astronomer, Dr. Tim Bastian, and let him explain some of the actual solar phenomenon better than I can. He has shown an interest in that. But it will NOT be ready by AtlantiCon though :-)

I'm glad so many people are finding an interest in this. You know, just the last solar cycle ... even here at the observatory, we did not have access to up-to-the-minute data like we have now. We would get telegrams a day or two later that gave us the solar flux and A-index values ... but nothing that really measured the solar wind! And here, ten years later, we on QRP-L have access to more information from the comfort and privacy of our own homes than professional observatories had just ten years ago. Let us not forget the profound changes the internet has had on our lives! So data is more readily available to us all, plus the scientific knowledge is changing almost daily right now. I will try to keep explaining the daily solar and

geomagnetic reports of significant activity throughout this solar cycle, as I know this information can almost not be found anywhere else right now. And of course with the help of our PhD astronomers upstairs, I'm learning a lot too.

In short, while some of you complain how little you understand this, I would venture to say, from the information on qrp-l alone, you have a far better understanding of the physics and how to interpret "the numbers" than a good chunk of the ham population. And Steve, N0TU, noticing this unexpected peak and dip and relating it to coronal holes is pretty dang impressive. I bet half the astronomy students in 1st-2nd year college wouldn't have made that correlation!

Moral of the story: While we may get grouchy once in awhile about the content of posts on qrp-l, we also underestimate the many things we have learned from the cast of thousands that contribute to this group. And everyone who DOES contribute their expertise deserves a QRP ATTA-BOY.

72, Paul NA5N  
National Radio Astronomy Observatory  
VLA/VLBA LO-IF★ Lab

\* Our FINAL IF is 500-1000 MHz!  
7MHz is considered "baseband" (almost "DC")

-----  
Date: Tue, 9 Mar 1999 13:03:08 -0800  
From: "Radman" <radman@best.com>  
To: <b\_bradfield@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [35147] Re: TEN-TEC ???  
Message-ID: <199903092100.NAA18833@proxy4.ba.best.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Brad,

<http://www.tentec.com/>

BUT... today they seem to have server problems... reported by several folks on the TT Reflector.  
Expect to see: "HTTP/1.0 403 Access Forbidden" message until the server gets on its feet, I'd guess ;)

Otherwise it's a very nice site :-)

72 - Conrad - NN6CW

\*\*\*\*\*

Hello y'all - -

Can someone send me Ten-Tec's URL please? Can't locate it via yahoo.

72's es 73's,

Brad, W5CGH

-----  
Date: Tue, 9 Mar 1999 16:12:26 -0500 (EST)  
From: malman@world.std.com (joel malman)  
To: qrp-l@Lehigh.EDU  
Cc: k1qm@world.std.com  
Subject: [35148] Happy is ...  
Message-ID: <199903092112.AA20100@world.std.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

... getting a large (\*LARGE\*) batch of DX QSLs from the QSL buro ...

Happy dance time: when a lot of the QSLs are from 1000+ mile/watt  
QRP QSOs from the past few years!

--  
/joel K1QM (Ex-wa1qvm) Concord, Massachusetts  
QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

-----  
Date: Tue, 9 Mar 1999 13:21:26 -0800  
From: "Mark Lawson" <mlp@oz.net>  
To: <qrp-l@Lehigh.EDU>  
Cc: "Pierre Goral" <sgc@sgcworld.com>  
Subject: [35149] PS-10 Power Supply - New SG-2020 Accessory.  
Message-ID: <000801be6a72\$cb97ece0\$519127d8@mlp.oz.net>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

SG-2020 Announcements  
PS-10 Power Supply - New SG-2020 Accessory.  
FOR IMMEDIATE RELEASE

SGC is pleased to announce the release of a new addition to the SG-2020 accessory line. The PS-10 Power Supply, for 110 and 230 Volts AC is a sturdy power supply which has been designed to meet the power and performance requirements of the SG-2020 transceiver.

The PS-10 is available from SGC and our global network of dealers. Cost of the unit is \$189.95.

You can download the FREE PS-10 Manual at  
<http://www.sgcworld.com/2020/ps-10manual.pdf> (226kb) or visit SGC World at  
[www.sgcworld.com/2020](http://www.sgcworld.com/2020).

For more information, please contact SGC.  
SGC, Inc.  
1-800-259-7331  
PO Box 3526, Bellevue, WA 98005 USA  
Tel: 425-746-6310 | Fax: 425-746-6384  
E-mail: [sgc@sgcworld.com](mailto:sgc@sgcworld.com) | Web site: [www.sgcworld.com/2020](http://www.sgcworld.com/2020)

-----  
Date: Tue, 9 Mar 1999 16:05:36 -0800  
From: [w4bws@juno.com](mailto:w4bws@juno.com)  
To: [we6w@qsl.net](mailto:we6w@qsl.net)  
Cc: [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)  
Subject: [35150] Re: Invisible Antenna Try#1  
Message-ID: <19990309.163309.-164403.1.w4bws@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

ED, why not erect a SLV antenna on the roof on the mobile home with the aluminum as the ground plane and openwire or ladderline feed. This should work somewhat on 40 and pretty good on 30 and 20. For your neighbors, tell them it is a research project to detect plate shifts in advance and thus allert to comming earth shakes. They can monitor progress by noting the shaking of the top 4 feet and



if more than 6 inches run for cover.  
Don W4BWS

On Mon, 08 Mar 1999 19:17:58 +0000 Ed Loranger <we6w@qsl.net> writes:  
>Hi friends. The quick and dirty, "I don't have to think  
>about it much" invisible antenna failed miserably.  
>  
>>On the invisible antenna project, it is time to get serious. I will  
>next attempt a low wire end-fed, run along the roof and supported  
>somehow....  
>  
>I would have done better this Saturday for my experiments, but the  
>ladder was not available for roof work.... Aw shucks!  
>  
>Have a nice day, all.  
>-Ed Loranger  
>--  
>-Ed AR QRP Millennium QSO's=510/2000  
>72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
>QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006  
>

Don Sanders W4BWS  
694 E. Eau Gallie Blvd  
Satellite Beach ,FL 32937  
My favorite QRP rig glows in the dark

-----  
Date: Tue, 9 Mar 1999 15:58:59 -0800  
From: w4bws@juno.com  
To: k7gt@arrl.net  
Cc: qrp-l@Lehigh.EDU  
Subject: [35151] Re: Right-hand vs. Left Hand Toroids  
Message-ID: <19990309.163309.-164403.0.w4bws@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

4/1/99  
Unless you wind the secondary with the reverse direction and thereby  
couple  
the back EMF into the primary thus inhibiting the electron spin and  
creating  
the solid state infusion absorbtion static collector other wise known as  
the

Maxwell Smart Quadrature vector selector and zero bandwidth filter system.  
Don W4BWS

On Mon, 08 Mar 1999 11:01:42 -0800 Allan G Taylor <k7gt@arrl.net> writes:

>-- You have uncovered a hitherto unknown and obscure technique to  
>reverse the intrinsic spin on electrons. The number of lefty  
>inductors  
>divided by two will give you the final spin (and therefore  
>polarization)  
>from your antenna. <End of spoof.>  
>>

>Of course not. The only issue here is having the leads from the  
>inductor hit the predrilled hole and pads on the PCB.

>

>

>

>

>

> Allan Taylor, PE K7GT  
> k7gt@arrl.net  
> operating nr SF/Oakland CA  
>..."QRP, QRO, or barefoot..."...  
>~~~~~  
>

|  
/|  
/ |  
| /Z |\  
/| /599| \ QRP-L 1016 FISTS 3222  
/\_|/\_/\_/\_|\_/\_ ARS 228 10X 69929  
[\-----/ DXCC 8171/CW 1395/40m

Don Sanders W4BWS  
694 E. Eau Gallie Blvd  
Satellite Beach ,FL 32937  
My favorite QRP rig glows in the dark

-----  
Date: Tue, 9 Mar 1999 16:23:56 -0800  
From: w4bws@juno.com  
To: brewsq@excite.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [35152] Re: feedlines  
Message-ID: <19990309.163309.-164403.3.w4bws@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

You wont noitice any significant loss in 50 feet or less of rg58 or rg8X.  
Don W4BWS

On Tue, 09 Mar 1999 08:55:54 PST "Christopher Brewster"

<brewsq@excite.com> writes:

>[2nd attempt to post this. I think 1st failed.]

>

>My SG-2020 has a coax antenna input, and my antenna (a Kurt Fritzel

>multiband Windom) has a balun and a coax plug at the feedpoint, so

>these

>manufacturers are clearly encouraging me to use a coax cable. But coax

>has

>pretty high loss, doesn't it? I haven't put the antenna up yet but

>the

>distance will be about 20-30 feet.

>

>Does anyone think it's worth the trouble to adapt all this to ladder

>line?

>Since each end has a coax plug, I must either add a balun or take one

>away.

>The antenna has one that could in theory be removed, but my question

>is

>about the transceiver (this and other models).

>

>What does a transceiver really want to "see"? Does the signal go into

>the

>coax input and then through something like a balun before it gets to

>the

>rig's insides? Or does the rig actually process an unbalanced signal?

>If the

>rig really "wants" a balanced signal, are sets ever modified to bypass

>the

>coax input and balun-type circuit?

>

>Related question: is this antenna a good idea, or should I get a true

>dipole? I was thinking of a "pure" balanced system: dipole to ladder

>line to

>a (hypothetical) balanced input on the set.

>

>Thanks...

>

>Christopher Brewster, kc evq

>brewsq@excite.com 612/475-0477

>Plymouth, Minnesota

>

>

>

>

>

>

>-----  
>Get your free, private email at <http://mail.excite.com/>

>

Don Sanders W4BWS  
694 E. Eau Gallie Blvd  
Satellite Beach ,FL 32937  
My favorite QRP rig glows in the dark

-----  
Date: Tue, 09 Mar 1999 21:46:46 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: w4bws@juno.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [35153] Re: Invisible Antenna Try#1  
Message-ID: <36E596C6.439F@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Bravo! Bravo, Don. Hee!

But the mobile home 'Mom' says no to ANY radio. So I will be sneaking around with the antenna, AND operating.

So this is a project that will be invisible both inside and outside of the mobile home.

0000H!!! Here's a good one, you turn a crank and this wall section about the size of a breathbox, rotates 180 degrees and the rig and all is attached. This little table locks in place and the sliding contacts on the side connect up to the stealth antenna and power up the rig.

Well :) :)  
It seems this way.

72/Ed

--  
-Ed AR QRP Millennium QSO's=510/2000  
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

-----  
Date: Tue, 9 Mar 1999 14:15:12 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [35154] Re: PS-10 Power Supply - New SG-2020 Accessory.  
Message-ID: <168501be6a7a\$4ff4f300\$140a0a0a@double\_trouble.reliablemeters.com>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Caution.

I took a quick look at the manual for this power supply. Although I am sure that it is well suited for its intended application with the SGC2020, be careful about using it for other rigs.

>From the schematic in the manual, it appears to be an unregulated 18 volt nominal output supply. This may damage some radio equipment designed for 13.8 volt nom / 16 volt max.

Makes a nice matching companion to the SGC2020, though, if you have one.

-----  
Date: Tue, 09 Mar 1999 16:33:48 -0600  
From: sda <sda@bellsouth.net>  
To: qrp-l@Lehigh.EDU  
Subject: [35155] Send in pics/urls of your QRP rigs!  
Message-ID: <199903092233.RAA25896@mail1.lig>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hey everyone,

I am planning a major revision and upgrade of my QRP page, and I am going to include a "showcase" section that will be a collection of pics of QRP rigs. I would eventually like to have pictures of every known (hihi!) commercially available QRP rig with a link to the vendor's site, but ALSO this showcase section of the page will be for showing off YOUR rig. So, if you have some neat pics of stuff you have done, homebrew, ugly style, customized, whatever...even if you built a stock version of any QRP rig, take a picture of it, and either E-Mail me a copy of the pic or give me the URL location (<http://www.xxx.xxx>) of your rig's pic, and I will put it up on my page. Also, be sure to include a link back to your home page so I can make the picture clickable back to you. I am hoping to get lots of responses, and maybe some exotic rigs to put up.

I have a really neat new design for the page, and am considering

registering a domain. I will be updating and adding pictures for the next several weeks, so SEND IN THAT PIC!!

Thanks and 72/73,

Todd Atkins, K4MSW  
Baton Rouge, Louisiana

<http://www.qsl.net/k4msw>

-----  
Date: Tue, 09 Mar 1999 17:30:32 -0500  
From: Fred Bennett N9TA <N9TA@worldnet.att.net>  
To: CW Reflector <cw@qth.net>, Fist CW Club <FISTS@qth.net>, QRP-L <qrp-1@Lehigh.EDU>  
Subject: [35156] New pictures on my web page!  
Message-ID: <36E5A108.A9660ADA@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Gang

I put some new pictures on my web page and I thought some of you might be interested....They include pics of my Heathkit HW-9, V2L Paddle (By W9WBL), and my version of a Super Cmos III keyer. All in a VERY rustic atmosphere....hi hi.

73...de...Fred N9TA  
<http://home.att.net/~n9ta/>

PS: SRI for the multiple posts for those of you who are on more than one list....but I thought this might interest a few of you.

-----  
Date: Tue, 9 Mar 1999 16:03:58 -0700 (MST)  
From: Paul Harden <pharden@aoc.nrao.edu>  
To: "Ed Hare, W1RFI" <w1rfi@arrl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [35157] Re: QRP Quiz  
Message-ID: <Pine.SOL.3.91.990309155303.2001E-100000@zia>  
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 9 Mar 1999, Ed Hare, W1RFI wrote:

> Our own Zack Lau, W1VT, has written a QRP quiz for the ARRL Web Extra on  
> the ARRL members web page.

> 73,  
> Ed Hare, W1RFI  
> ARRL Lab

Ed or Zack,

Is there anyway you can post this to qrp-l? I would venture to say less than 30% of qrp-l subscribers are league members. This is THE public forum for sharing QRP stuff, and your contributions are always valuable. But I find the increasing proprietrous stance of the ARRL and it's members-only stuff to hardly be sharing with the hobby at large. So if you're going to mention it on qrp-l, why not just post it?

Thanks,  
Paul NA5N

-----  
Date: Tue, 9 Mar 1999 18:11:58 -0500  
From: "John J. McDonough" <jjmcd@tm.net>  
To: <mgipe@reliablemeters.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [35158] Re: PS-10 Power Supply - New SG-2020 Accessory.  
Message-ID: <001001be6a82\$3eb821e0\$010044c0@mdp23b>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Michael A. Gipe <mgipe@reliablemeters.com>

>I took a quick look at the manual for this power supply. Although I  
>am sure that it is well suited for its intended application with the  
>SGC2020, be careful about using it for other rigs.

>

>>From the schematic in the manual, it appears to be an unregulated 18  
>volt nominal output supply. This may damage some radio equipment  
>designed for 13.8 volt nom / 16 volt max.

>

>Makes a nice matching companion to the SGC2020, though, if you have  
>one.

The SGC dox say the rig has an internal 5 Amp fuse, so we can assume that  
the radio draws no more than that. A 5 amp unregulated supply that's not  
especially small or light for \$190 ...

Of course, every manufacturer seems to charge silly amounts of money for  
their matching power supplies, but this does seem to take the concept to new  
heights.

72/73 de WB8RCR <http://users.tm.net/jjmcd/>  
didileydadidah QRP-L #1446 Code Warriors #35

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End of QRP-L Digest 1390

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